dedolight 150

Based on the technology of the successful Dedolight 100, we are proud to present the result of our research and development work . . . the Dedolight 150.

The Dedolight 150 is a compact, low voltage (24V), location lighting system which combines light weight, portability and extreme ruggedness with the most advanced optical design to be conceived since the fresnel lens. The optical system permits the choice of hard or soft beam edges in combination with a near flat field over the beam angle. This capability, plus additional options provided by optical projection attachments, yields more choices in a single lighting instrument than has heretofore been considered possible for any light, much less one that will fit in the palm of your hand.

New Housing

At first sight, you may notice no major difference between the Dedolight 100 and the Dedolight 150. The size is practically identical. Over 600 tests on thermo distribution and airflow were conducted over a period of two years. The result is a new housing which "looks" nearly unchanged.

In designing the Dedolight 150, optimizing the air flow was of utmost importance. This new design allowed us to compensate for the considerably higher heat produced by the 150 watt lamp. We were so successful, that the the Dedolight 150 housing with a 150 watt lamp stays cooler than the standard Dedolight 100 with a 100 watt lamp.

Higher output

The Dedolight 100 offers a light output - based on the optical system - which surpasses comparable fresnel systems.

The Dedolight 150 offers a significantly higher light output. The increased light output does not only show in higher foot candle values, but also increases the area of light coverage.

Lamps

The Dedolight 150 uses a 24 volt 150 watt lamp (Osram HLX-64640, ANSI FCS).

Bulb socket and filament position is identical to the Dedolight 100, allowing the use of 100, 50 and 20 watt (12V) lamps for battery operation, in addition to the 150 watt (24V) lamp.

For special applications, a 100 watt (24V) lamp is available with an extremely long life but with reduced light output.

Accessories

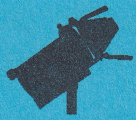
Most accessories from the Dedolight 100 are compatible with the Dedolight 150.

DT-150 Transformer/Control unit

The DT-150 transformer/control unit is capable of powering three Dedolight 150 lamp heads. The input is switchable between 120-240 VAC allowing for use world wide. Output voltage for each light head is switchable in four steps:

1) OFF
2) LOW - 3000°K
3) MEDIUM - 3200°K
4) HIGH - 3400°K

The DT-150 incorporates a unique electronic monitor of the input voltage. The three LED's indicate whether the selected input voltage is too low, too high, or correct for the output voltages and color temperatures required.



Photometrics- in spot position

Distance in ft.	10	16	25	33	49	65	82	98	118
Diameter in ft.	1'	1' 7"	2' 6"	3'	4' 7"	7'	8'	10'	
Lux	8,320	3,000	1,100	665	300	170	110	77	55
Foot candle	773	279	102	62	28	16	10	7	5
f*	$16\frac{2}{3}$	$8\frac{2}{3}$	$5.6\frac{1}{3}$	$4\frac{1}{2}$	$2.8\frac{1}{3}$	$2\frac{1}{2}$	$1.4\frac{2}{3}$	$1.4\frac{1}{2}$	1.4

* Based on a film sensitivity of 500 ASA and an exposure of 1/50 of a second

Specifications subject to change without notice or obligation